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NEWS 2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	NOV 23	Addition of SCAN format to selected STN databases
NEWS 11	NOV 23	Annual Reload of IFI Databases
NEWS 12	DEC 01	FRFULL Content and Search Enhancements
NEWS 13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus
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FILE 'HOME' ENTERED AT 01:34:49 ON 19 JAN 2010

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 01:35:02 ON 19 JAN 2010
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Uploading C:\Program Files\Stnexp\Queries\10720702b.str

L1 STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10720702c.str

L2 STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 01:46:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 13498 TO ITERATE

14.8% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

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SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       262998 TO   276922
PROJECTED ANSWERS:               0 TO        0

L3            0 SEA SSS SAM L1

=> search l1
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 01:46:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   268903 TO ITERATE

100.0% PROCESSED   268903 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.05

L4            0 SEA SSS FUL L1

=> search l2
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 01:46:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   268903 TO ITERATE

100.0% PROCESSED   268903 ITERATIONS                                2 ANSWERS
SEARCH TIME: 00.00.05

L5            2 SEA SSS FUL L2

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              392.39     392.61

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FILE LAST UPDATED: 17 Jan 2010  (20100117/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Oct 2009

CAplus now includes complete International Patent Classification (IPC)
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reclassification data for the third quarter of 2009.

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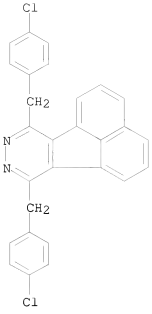
=> s l5
L6 3 L5

=> d l6 fbib ab hitstr

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:1612258 CAPLUS
TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthene derivatives. [Erratum to document cited in CA151:101110]
AU Rahanyan, Nelli; Linden, Anthony; Baldridge, Kim K.; Siegel, Jay S.
CS Organish-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
SO Organic & Biomolecular Chemistry (2009), 7(24), 5273-5274
CODEN: OBCRAK; ISSN: 1477-0520
PB Royal Society of Chemistry
DT Journal; Errata
LA English
AB On page 2082, Scheme 2 was incorrectly given; the correct version of the scheme is given. On page 2083, in Table 1, the entry for compound 12b, was incorrectly given, and should be omitted; the correct version of the table is given.
IT 1166260-69-0P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; synthesis of diazafluoranthenes via Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines (Erratum))
RN 1166260-69-0 CAPLUS
CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)

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=> d  l6 fbib ab hitstr 1-3

L6   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2010 ACS on STN
AN   2009:1612258  CAPLUS
TI   Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis
     and X-ray crystal structures of diazafluoranthene derivatives. [Erratum to
     document cited in CA151:101110]
AU   Rahanyan, Nelli; Linden, Anthony; Baldridge, Kim K.; Siegel, Jay S.
CS   Organish-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
SO   Organic & Biomolecular Chemistry (2009), 7(24), 5273-5274
     CODEN: OBCRAK; ISSN: 1477-0520
PB   Royal Society of Chemistry
DT   Journal; Errata
LA   English
AB   On page 2082, Scheme 2 was incorrectly given; the correct version of the
     scheme is given.  On page 2083, in Table 1, the entry for compound 12b, was
     incorrectly given, and should be omitted; the correct version of the table
     is given.
IT   1166260-69-0P
     RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
        (crystal structure; synthesis of diazafluoranthenes via Diels-Alder
        reactions of 3,6-disubstituted 1,2,4,5-tetrazines (Erratum))
RN   1166260-69-0  CAPLUS
CN   Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]-  (CA INDEX
     NAME)
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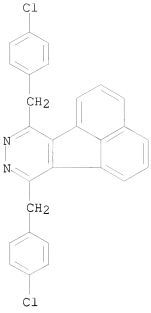
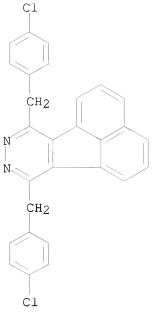


L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:554697 CAPLUS
DN 151:101110
TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthene derivatives
AU Rahanyan, Nelli; Linden, Anthony; Baldridge, Kim K.; Siegel, Jay S.
CS Organish-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
SO Organic & Biomolecular Chemistry (2009), 7(10), 2082-2092
CODEN: OBCRAK; ISSN: 1477-0520
PB Royal Society of Chemistry
DT Journal
LA English
OS CASREACT 151:101110
AB The synthesis of a series of 3,6-disubstituted-1,2,4,5-tetrazines has been effected using an inverse electron demand [2 + 4] cycloaddn. strategy. The crystal structures of 18 members of this series of diazafluoranthenes are reported. Stereochem. anal. shows that diazafluoranthenes, substituted across the bay region, are helically-twisted strained aromatic mols. The dihedral angle between pyridazyl vs naphthyl rings ranges from 0.5° to 20.9°, and follows the degree of steric congestion in the bay region. The crystal structures are compared to computational structures determined using d. functional theory, with the M06-2X/cc-pVDZ method.
IT 1166260-69-0P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; synthesis of diazafluoranthenes via Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines)
RN 1166260-69-0 CAPLUS
CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)



RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

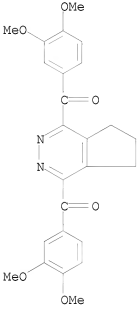
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2003:263994 CAPLUS
DN 139:6845
TI Synthesis and Inverse Electron Demand Diels-Alder Reactions of 3,6-Bis(3,4-dimethoxybenzoyl)-1,2,4,5-tetrazine
AU Soenen, Danielle R.; Zimpleman, Jeffrey M.; Boger, Dale L.
CS Department of Chemistry and the Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SO Journal of Organic Chemistry (2003), 68(9), 3593-3598
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 139:6845
AB 3,6-Bis(3,4-dimethoxybenzoyl)-1,2,4,5-tetrazine I [R = 3,4-(MeO)2C6H3] is prepared in five steps from 3,4-dimethoxybenzaldehyde; I undergoes inverse electron demand Diels-Alder reactions with a variety of electron-rich alkenes and alkynes and imine derivs. to yield pyridazines and 1,2,4-triazines such as II and III [R = 3,4-(MeO)2C6H3]. Reaction of 3,4-dimethoxybenzaldehyde with trimethylsilyl cyanide and zinc iodide yields a cyanohydrin which undergoes ethanol addition with HCl to yield an imidate salt; addition of the imidate salt to neat hydrazine hydrate followed by oxidation with iron (III) chloride and Dess-Martin oxidation provides I [R = 3,4-(MeO)2C6H3]. I [R = 3,4-(MeO)2C6H3] is unstable in protic solvents such as methanol and to silica gel chromatog. but can be readily purified by trituration from Et acetate. I [R = 3,4-(MeO)2C6H3] undergoes cycloaddn. with enamines, ynamines, enol and alkynyl ethers, ketene acetals, and p-chlorobenzimidates to yield pyridazines and 1,2,4-triazines in 31-100% yields; elimination of the alkoxy or amine leaving groups after loss of N2 can be accelerated by treatment of the intermediate mixture with acetic acid in benzene. Acetophenone dimethylhydrazone and O-Me oxime

undergo tautomerization to substituted (dimethylhydrazino) and (methoxyamino)styrenes which undergo cycloaddn. and elimination reactions with I to yield substituted pyridazines in 44-54% yields. Electron-deficient substrates such as Me propiolate react with I [R = 3,4-(MeO)2C6H3] but require higher temps.; neither diphenylacetylene or the hindered enol ether (Z)-1,2-di(p-methoxyphenyl)-1-methoxyethene undergo reaction with I [R = 3,4-(MeO)2C6H3].

IT 534619-55-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of a 3,6-dibenzoyl-1,2,4,5-tetrazine and its inverse electron demand Diels-Alder reactions with electron-rich alkenes and alkynes and imine derivs. to yield pyridazines and 1,2,4-triazines)

RN 534619-55-1 CAPLUS

CN Methanone, (6,7-dihydro-5H-cyclopenta[d]pyridazine-1,4-diyl)bis[(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



OSC.G 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT